

CLAIMS: κ

1. A hand mixer (1)
having two mains terminals (10, 11), which serve for the connection to an a.c. mains,
having interference suppression means (16) connected to the two mains terminals (10, 11) for
the purpose of interference suppression, and
5 having a motor (27), which serves for driving mixing tools (28, 29, 30, 31, 32, 33, 34, 35)
and which can be brought into electrically conductive contact with the two mains terminals
(10, 11) and which is adapted to be energized from an a.c. mains and which is adapted to
effect driving with at least two lower speeds and with a speed which is higher than the lower
speeds, and
10 having a switching means configuration (130) which includes speed switching means (60) for
switching the speed of the motor (27) to different lower speed values, which speed switching
means (60) can be actuated with the aid of a first switching handle (20), and which includes
start means (61) for starting the motor (27) at the higher speed, which start means (61) can be
actuated with the aid of a second switching handle (24), characterized in that the two mains
15 terminals (10, 11) and the speed switching means (60) and the start means (61) are connected
mechanically and electrically to form a module (9), and
all the electrical connections between the two mains terminals (10, 11) and the speed
switching means (60) and the start means (61) are realized on the module (9).
- 20 2. A hand-held mixer (1) as claimed in claim 1, characterized in that,
in addition, the interference suppression means (16) are also connected mechanically and
electrically to the module (9).
3. A hand-held mixer (1) as claimed in claim 1, characterized in that
25 connecting leads (62, 63, 64, 65, 66) are fixedly connected to the module (9) and have free
ends (67, 68, 69, 70, 71) arranged to be connected to the motor terminals (72, 73, 74, 75, 76).
4. A hand-held mixer (1) as claimed in claim 1, characterized in that
the module (9) has a supporting member (85) bounded by a bounding surface (86), and

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electrically conductive contact strips (88, 89) are connected to the supporting member (85) in the area of the bounding surface (86) and extend parallel to a strip direction (90), and the module (9) includes a first slider (102) which is guided so as to be movable relative to the supporting member (85) parallel to the strip direction (90) and which serves as a mating-
5 contact holder and carries at least two mating contacts (112, 113, 114, 115) which are interconnected in an electrically conductive manner, which cooperate with the contact strips (88, 99) and which together with the contact strips (88, 89) form the speed switching means (60), and
the module (9) includes a second slider (116) which is guided so as to be movable relative to
10 the supporting member (85) and which serves as switching actuator, and
the module (9) includes a switching contact (100) which is disposed in the path of movement of the second slider (116) and which forms part of the start means (61).

5. A hand-held mixer (1) as claimed in claim 4, characterized in that
15 the second slider (116) is also guided so as to be movable parallel to the strip direction (90).

6. A hand-held mixer (1) as claimed in claim 4, characterized in that
at least two mating contacts (112, 113, 114, 115) which are carried by the first slider (102)
and which are interconnected in an electrically conductive manner are associated with a
20 contact link (108, 109).

7. A switching means configuration (130) for a hand-held mixer (1), which hand-held mixer (1) has two mains terminals (10, 11), which serve for the connection to an a.c.
mains, and which has interference suppression means (16) connected to the two mains
25 terminals (10, 11) for the purpose of interference suppression, and which has a motor (27),
which serves for driving mixing tools (28, 29, 30, 31, 32, 33, 34, 35) and which can be
brought into electrically conductive contact with the two mains terminals (10, 11) and which
is adapted to be energized from an a.c. mains and which is adapted to effect driving with at
least two lower speeds and with a speed which is higher than the lower speeds,
30 which switching means configuration (130) includes speed switching means (60) for
switching the speed of the motor (27) to different lower speed values, which speed switching
means (60) can be actuated with the aid of a first switching handle (20), and which switching
means configuration (130) includes start means (61) for starting the motor (27) at the higher
speed, which start means (61) can be actuated with the aid of a second switching handle (24),

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characterized in that

the switching means configuration (130) is realized by means of a module (9) in which the speed switching means (60) and the start means (61) as well as the two mains terminals (10, 11) for a hand-held mixer (1) are connected mechanically and electrically to this module (9),

5 and

all the electrical connections between the two mains terminals (10, 11) and the speed switching means (60) and the start means (61) are realized on the module (9).

8. A switching means configuration (130) as claimed in claim 7, characterized in
10 that, in addition, the interference suppression means (16) are also connected mechanically and electrically to the module (9).

9. A switching means configuration (130) as claimed in claim 7, characterized in
that connecting leads (62, 63, 64, 65, 66,) are fixedly connected to the module (9) and have
15 free ends (67, 68, 69, 70, 71) arranged to be connected to the motor terminals (72, 73, 74, 75, 76).

10. A switching means configuration (130) as claimed in claim 7, characterized in
that the module (9) has a supporting member (85) bounded by a bounding surface (86), and
20 electrically conductive contact strips (88, 89) are connected to the supporting member (85) in the area of the bounding surface (86) and extend parallel to a strip direction (90), and the module (9) includes a first slider (102) which is guided so as to be movable relative to the supporting member (85) parallel to the strip direction (90) and which serves as a mating-
contact holder and carries at least two mating contacts (112, 113, 114, 115) which are
25 interconnected in an electrically conductive manner, which cooperate with the contact strips (88, 89) and which together with the contact strips (88, 89) form the speed switching means (60), and
the module (9) includes a second slider (116) which is guided so as to be movable relative to the supporting member (85) and which serves as switching actuator, and
30 the module (9) includes a switching contact (100) which is disposed in the path of movement of the second slider (116) and which forms part of the start means (61).

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11. ' A switching means configuration (130) as claimed in claim 10, characterized in that the second slider (116) is also guided so as to be movable parallel to the strip direction (90).

- 5 12. A switching means configuration (130) as claimed in claim 10, characterized in that at least two mating contacts (112, 113, 114, 115) which are carried by the first slider (102) and which are interconnected in an electrically conductive manner are associated with a contact link (108, 109).